

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Surname(s) / First name(s)

Address(es)

Telephone(s)

Fax(es)

E-mail(s), Web address(s)

Nationality(-ies)

Date of birth

Tomislav Jurkić

Paškinovac 45, 51000 Rijeka

tjurkic@phy.uniri.hr

<http://www.phy.uniri.hr/en/people/51-en/staff/744-tomislav-jurki-eng.html>

Croatian

WORK EXPERIENCE

• Dates (from – to)

Name and address of employer

Type of business or sector

Occupation or position held

Main activities and responsibilities

2016. –

Department of Physics, University of Rijeka, Croatia

scientific institution – natural sciences

Lecturer

• Dates (from – to)

Name and address of employer

Type of business or sector

Occupation or position held

Main activities and responsibilities

2013. – 2016.

Department of Physics, University of Rijeka, Croatia

scientific institution – natural sciences

Postdoctoral researcher

• Dates (from – to)

Name and address of employer

Type of business or sector

Occupation or position held

Main activities and responsibilities

2008. – 2012.

Department of Physics, University of Rijeka, Croatia

scientific institution – natural sciences

PhD student – assistant

• Dates (from – to)

Name and address of employer

Type of business or sector

Occupation or position held

Main activities and responsibilities

2006. – 2008.

Faculty of Arts and Sciences, University of Rijeka, Croatia

scientific institution – natural sciences

PhD student – junior researcher

• Dates (from – to)

Name and address of employer

Type of business or sector

Occupation or position held

Main activities and responsibilities

2006.

The Scout Association of Rijeka

non-governmental organizations

Head of office

EDUCATION

Date 12th October 2012
Place of education Zagreb
Name and type of organisation providing education Department of Physics, Faculty of Sciences, University of Zagreb, Croatia
Title or qualification awarded Ph.D. in Physics

Date 9th November 2005
Place of education Zagreb
Name and type of organisation providing education Department of Physics, Faculty of Sciences, University of Zagreb, Croatia
Title or qualification awarded M.Sc. in Physics

TRAINING

Year 2016. – 2017.
Place of training Rijeka, Croatia
Name and type of organisation providing training University of Rijeka, Faculty of Philosophy, Centre for education of teachers
Principal subjects/Occupational skills covered Teacher's competencies in high education: learning and teaching

Year 2015.
Place of training Cologne, Germany
Name and type of organisation providing training University of Cologne, Germany; Opticon FP7, European Union
Principal subjects/Occupational skills covered astrophysics – 8th VLT summer school "High angular resolution in astrophysics"

Year 2014.
Place of training Belfast, United Kingdom
Name and type of organisation providing training Queen's University Belfast, United Kingdom
Principal subjects/Occupational skills covered astrophysics – winter school of astrophysics "Cloudy@Belfast"

Year 2009.
Place of training Rabac, Croatia
Name and type of organisation providing training Department of Physics, University of Rijeka; SISSA, Trieste, Italy
Principal subjects/Occupational skills covered astrophysics – International summer school of astrophysics Novicosmo 2009 "Highlights in Astrophysics"

Year 2007.
Place of training Split, Croatia
Name and type of organisation providing training Faculty of Sciences, University of Split, Croatia
Principal subjects/Occupational skills covered astrophysics – Split International Winter School of Astrophysics (SIWA) "Extrasolar Planets and Astrobiology"

Year 2007.
Place of training Torun, Poland
Name and type of organisation providing training Nicolaus Kopernikus Astronomical Centre, Torun, Poland
Principal subjects/Occupational skills covered astrophysics – visiting scientist

| | |
|--|--|
| Year | 2004. |
| Place of training | Princeton, USA |
| Name and type of organisation providing training | Institute for Advanced Study, Princeton, USA |
| Principal subjects/Occupational skills covered | astrophysics – visiting scientist |

| | |
|--|----------------------------------|
| Year | 2001, 2002. |
| Place of training | Višnjan, Croatia |
| Name and type of organisation providing training | Višnjan observatory |
| Principal subjects/Occupational skills covered | Management in science (workshop) |

| | |
|--|-------------------------------------|
| Year | 2001. |
| Place of training | Zagreb, Croatia |
| Name and type of organisation providing training | Academy for Educational Development |
| Principal subjects/Occupational skills covered | Strategic management and planning |

| | |
|--|-------------------------------|
| Year | 2001. |
| Place of training | Malaga, Spain |
| Name and type of organisation providing training | European Scout Office |
| Principal subjects/Occupational skills covered | Programme and Human Resources |

PERSONAL SKILLS AND COMPETENCIES

Mother tongue(s) **Croatian**

Other language(s)

| | |
|---------------------------------------|----------------|
| Language | English |
| Speaking | excellent |
| Writing | excellent |
| Understanding (listening and reading) | excellent |

| | |
|---------------------------------------|----------------|
| Language | Italian |
| Speaking | very good |
| Writing | very good |
| Understanding (listening and reading) | very good |

| | |
|---------------------------------------|---------------|
| Language | German |
| Speaking | basics |
| Writing | Poor |
| Understanding (listening and reading) | basics |

**SOCIAL SKILLS AND
COMPETENCIES.**

- communicative, open-minded, willing to accept new ideas, skills and knowledge, team work
- experience in lectures and presentations, teamwork and mentor supervision in the work with young persons, especially with gifted children
- workshop leader of "Armchair astronomy" for high school students, Saturday morning with Physics, April and December 2018., April and November 2019.
- workshop leader of "Armchair astronomy" and co-leader "Universe on the tip of the fingers" for high school students and teachers, Rijeka School of Physics, Rijeka, Croatia, 2013 & 2016.
- lecturer at the Rijeka School of Physics, spring school for high school students and teachers, Rijeka, Croatia, 2013 & 2016.
- lecturer at the National Science Festival, Rijeka, Croatia, 2013, 2015 and 2017.
- guest at 'Third element' on the topic of the life in the universe and extrasolar planets, Croatian national television, 2014.
- interviews and/or guest at television (Croatian national television, national TV station NovaTV, local TV station RiTV) and radio stations (Croatian national radio, local radio stations Radio Rijeka, Radio Sova), 2014, 2015.
- guest at various television (RiTV) and radio stations (Croatian national radio, Radio Rijeka) regarding the meteorite fall in Chelyabinsk, 2012.
- workshop leader of the laboratory exercises in microelectronics for high school students and teachers, Winter School of Physics, Rijeka, Croatia, 2012.
- organizer of the workshop on pseudoscience at the national seminar in astronomy for high school teachers, 2009.
- supervisor, group leader and lecturer on "Višnjan School of Astronomy", astronomy camp aimed toward talented high-school youth, working on visual, video CCD, ULF, radio and VLF meteor observations projects, Višnjan, 2002. – 2005.
- supervisor, group leader and lecturer on "Youth Science Camp", scientific camps aimed toward talented young children, Višnjan, 2003. – 2009.
- international experience in organizing volunteer work and youth programme ("European Voluntary Programme", member of the organizing committee of "Voluntary and Work Possibilities for Young People" seminar, September 2001, Pula, Croatia)

ORGANISATIONAL SKILLS AND COMPETENCIES.

- excellent organisational skills on all levels, from small short-term projects up to the organisation and management of larger long-term programmes and research projects, together with the management and organisation of conferences and Croatian contingents on international meetings.
- member of organizing committee of COST WG2/WG3 workshop "Frontiers of Stellar Physics: the Theory-Observation Interface", COST CA18104 "Revealing the Milky Way with Gaia", January 2020.
- member of Management Committee (MC) and representative of Croatia in COST CA18104 action "Revealing the Milky Way with Gaia", 2019. – 2023.
- member of Management Committee (MC) and representative of Croatia in COST TD1308 action "Origin of life on Earth and in the Universe (ORIGINS)", 2014. – 2018.
- chair of the organizing committee, Rijeka School of Physics, spring school for high school students and teachers, Rijeka, Croatia, 2014.
- member of the organizing committee, Saturday morning with physics, spring school/workshop for high school students and teachers, Rijeka, Croatia, 2018. – 2019.
- member of the organizing committee, Rijeka School of Physics, spring school for high school students and teachers, Rijeka, Croatia, 2013 & 2016.
- secretary and member of management committee of Society of Mathematicians and Physicists, 2014 – 2016.
- member of organizing committee of International summer school of astrophysics Novicosmo 2010 "Highlights in Astrophysics", Department of Physics, University of Rijeka & SISSA, Trieste, Italy, September 2009.
- one of the project leader, designed and implemented fully automated multi-instrumental geophysical and astronomical station for meteor observation (SVIRMOS) and radio scattering meteor observation station (VORAM), 2001. –
- member of organizing committee, "Meeting on Asteroids and Comets in Europe" conference, Višnjan, Croatia, 2002.
- expedition leader for observation of Sun's eclipse, Rimnicu Vilcea, Romania, 1998.
- author of "Strategy for the Next Millennium" and co-author of "From Vision to Reality" documents (documents on strategic management and development), the Scout Association of Croatia, 2002. – 2003.
- contingent and project leader of Croatian scouts on World scout Jamborees in Mexico and central America, Chile and Thailand and southeast Asia
- contingent and project leader of Croatian scouts on 20th World Scout Jamboree, Thailand, 2003.

**TECHNICAL SKILLS AND
COMPETENCIES**

SCIENTIFIC WORK:

- numerical modelling of radiative transfer and dust and gas emission in circumstellar dust and gas environment of symbiotic stars with cold Mira component using DUSTY and CLOUDY numerical codes, 2006. –
- numerical modelling of circumstellar dust in symbiotic Miras by the use of interferometric observations, 2013. –
- time-series analysis and period finding in light curves of variable stars from ZTF survey, 2019.
- optical transients, light curve analysis of long-period stars (Miras and symbiotic Miras), with application in the LSST project (Large Synoptic Survey Telescope), 2012. –
- modelling of stellar atmospheres and ultraviolet spectra of hot OB supergiants (numerical non-LTE codes TLUSTY, SYNSPEC; ROTIN), 2007. –
- numerical modelling of radiative transfer and dust emission in young Herbig-type stars and protoplanetary disks using DUSTY numerical code, in collaboration with Dejan Vinković, Faculty of Science, University of Split, Croatia, Željko Ivezić, University of Washington, Seattle, USA, and Moshe Elitzur, University of Kentucky, USA, 2002. –
- author of computer codes for modelling stellar circumstellar environments of young Herbig stars and symbiotics with cold Mira component and fitting their observation data with DUSTY models (DUSTY is a code for radiative transfer calculation in young stars, written by Vinković, Ivezić, Elitzur and Miroshnichenko)
- author of computer code for modelling of the circumstellar dust properties in symbiotic Miras by the use of interferometric observations
- author of computer code for analysis of the periodicities in the light curves of variable stars by the use of Phase dispersion minimization technique
- author of computer code for fitting UV spectra with non-LTE TLUSTY models.
- one of the project leaders, designed and implemented fully automated multi-instrumental geophysical and astronomical station for meteor observation (SVIRMOS), 2001. –
- project leader, designed and implemented radio scattering meteor observation station (VORAM 1 and 2: scattering of radio waves on meteor plasma trails), 2001. – 2004.

COMPUTER SKILLS:

- knowledge of and experience with computer programming languages: C, Fortran
- fluent in Dusty (radiative transfer programme analysis) and Cloudy (gas photoionization code), some knowledge of IRAF
- practical knowledge of mathematical and statistical analysis programme packages: Mathematica 4.0, Origin, OriginPro, Statistica
- knowledge of operating systems: Windows, Unix, Linux
- knowledge of standard programme packages: Microsoft Word, Excel, Publisher, Adobe Photoshop, Adobe Illustrator, Internet Explorer, Outlook, FrontPage, Mozilla Firefox & Thunderbird, etc
- practical knowledge of VO package for analysis and visualization of astronomical observations
- practical knowledge of Joomla and Mudri tools for e-learning, use of SharePoint service

**ARTISTIC SKILLS AND
COMPETENCIES**

- Amateur photography from 1997. until today:
- school of photography, Zagrebački foto-kino savez, spring 2001.
 - exhibited own photographs in the gallery of Zagreb Photo Club, joint exhibition, 2001.

OTHER SKILLS AND COMPETENCIES

- president of commission for orienteering's competition and Principal referee in the Scout Association of Croatia, 1998. – 2004.
- member of the Scout Association of Croatia from 1984.
- travelled and stayed in Thailand, Cambodia, Malaysia and Singapore (2 months), Mexico, Guatemala and Belize (2 months), Chile (1 month), Turkey, Spain, France, England, Germany, Austria, Poland, Romania, Hungary, Czech Republic and Italy.

DRIVING LICENCE(S)

YES

ADDITIONAL INFORMATION

ANNEXES

Awards, Conferences

AWARDS:

- University award for excellence in teaching, University of Rijeka, 2020
- Best scientific research and presentation of PhD student and postdocs at the 8th Scientific meeting of the Croatian Physical Society, 2nd place, Primošten, Croatia, 2013
- Rector award candidate "Radio observations of Geminid meteor stream" (radio forward scattering on meteor plasma trails and construction of automated station for meteor observations in radio/video/VLF/ULF), 2002.

SCIENTIFIC PROJECTS:

- COST CA18104 action "Revealing the Milky Way with Gaia", member of Management Committee (Croatia), 2019. – 2023.
- "Stellar and Solar activity" (PI: Rajka Jurdana-Šepić), scientific research project supported by the grant of the University of Rijeka, researcher, 2018. – 2022.
- COST TD1308 action "Origin of life on Earth and in the Universe (ORIGINS)", member of Management Committee (Croatia), 2014. – 2018.
- "STARDUST: Stars and dust – structure, composition and interaction" (PI: Krešimir Pavlovski, University of Zagreb), PMF, Zagreb), scientific research project supported by Croatian Science Foundation, postdoctoral researcher, 2015. – 2019.
- COST TD1403 action "Big Data Era in Sky and Earth Observation", researcher, 2015. – 2019.
- "Physical properties of the circumstellar matter in symbiotic binaries" (PI: Dubravka Kotnik-Karuza), scientific research project supported by the grant of the University of Rijeka, postdoctoral researcher, 2013. – 2015.
- "Diagnostics and physical properties of the circumstellar matter" (PI: Dubravka Kotnik-Karuza), scientific research project supported by the Ministry of science and education, PhD student, 2007. – 2013.

ORGANISING COMMITTEES OF SCIENTIFIC MEETINGS AND SCHOOLS:

- COST WG2/WG3 workshop "Frontiers of Stellar Physics: the Theory-Observation Interface", COST CA18104 "Revealing the Milky Way with Gaia", member of the organising committee, Zagreb, Croatia, 21st – 23rd January 2020.
- International summer school of astrophysics "Novicosmo: Highlights in Astrophysics", member of the organising committee, Rabac, Croatia, 20th – 30th September 2009.

ORGANISING COMMITTEES OF OTHER MEETINGS AND SCHOOLS

- Saturday morning with physics (popularisation project for general public), member of the organising committee, Rijeka, Croatia, 2018. – 2019.
- 4th Rijeka School of Physics, member of the organising committee, Rijeka, Croatia, March 2016
- 3rd Rijeka School of Physics, chair of the organising committee, Rijeka, Croatia, April 2014
- 2nd Rijeka School of Physics, member of the organising committee, Rijeka, Croatia, March 2013

SCIENTIFIC PAPERS IN CURRENT CONTENTS PUBLICATIONS:

1. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, "**Dust around the cool component of D-type symbiotic binaries**", *Astronomy Letters*, 44 (2018), 1, 265
2. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, "**Modelling of dust around the symbiotic Mira RR Telescopii during obscuration epochs**", 2012, *Astronomy and Astrophysics*, 544, 35
3. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, "**RR Tel: Determination of dust properties during minimum obscuration**", 2012, *Baltic Astronomy*, 21, 123
4. Jurkić, Tomislav; Sarta Deković, Mariza; Kotnik-Karuza, Dubravka; Dominis-Prester, Dijana, "**Atmospheric parameters of the B-supergiant HD 198478 from the UV spectra**", 2011, *Astrophysics and Space Science*, 335, 1, 113
5. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, "**Modeling of Dust around RR Tel**", 2007,

Baltic Astronomy, 16, 1, 76

6. Kotnik-Karuza, Dubravka; Jurkić, Tomislav; Friedjung, Michael, "**Circumstellar Dust in Symbiotic Miras during Obscuration Events**", 2007, Baltic Astronomy, 16, 1, 98
7. Vinković, Dejan; Jurkić, Tomislav, "**Relation between the luminosity of young stellar objects and their circumstellar environment**", 2007, Astrophysical Journal, 658, 1, 462
8. Vinković, Dejan; Ivezić, Željko; Jurkić, Tomislav; Elitzur, Moshe, "**Near-Infrared and the Inner Regions of Protoplanetary Disks**", 2006, Astrophysical Journal, 636, 1, 348

SCIENTIFIC PAPERS IN OTHER PUBLICATIONS

1. Harvey, Eamonn; Redman, Matt; Boumis, Panayotis; Kopsacheili, Maria; Akas, Stavros, Sabin, Laurence; Jurkić, Tomislav, "**The circumstellar environment of pre-SN Ia systems**", 2016, Proceedings of the Conference Supernova Remnants: An Odyssey in Space after Stellar Death, 137-140
2. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, "**Circumstellar Dust in Symbiotic Novae**", 2015, EAS Publications Series, 71-72, 159
3. Jurkić, Tomislav; Deković, Mariza Sarta; Kotnik-Karuza, Dubravka, "**Fitting of Silicon lines in UV and Balmer Hdelta Line in Optical Spectra of B supergiant HD 198478**", 2012, IAU Symposium, 282, 263
4. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, "**Modeling of Circumstellar Dust by the DUSTY Code**", 2012, IAU Symposium, 282, 247
5. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, "**Modeling of Circumstellar Dust Around Symbiotic Miras in Infrared**", 2010, Astronomical Society of the Pacific, 303
6. Deković, Mariza Sarta; Kotnik-Karuza, Dubravka; Jurkić, Tomislav; Dominis Prester, Dijana, "**Problems in abundance determination from UV spectra of hot supergiants**", 2010, IAU Symposium, 265, 211
7. Jurkić, Tomislav; Kotnik-Karuza, Dubravka; Friedjung, M, "**Properties of Circumstellar Dust in Symbiotic Miras**", 2007, IAU Symposium, 240, 596
8. Jurkić Tomislav, Pintarić Senka, "**Radio observations of Perseids 2002. and correlation with visual observations**", 2002, Proceeding of International Meteor Conference, International Meteor Organization

REVIEWS

- Referee for Astrophysical Journal and Serbian Astronomical Journal

INVITED LECTURES

- Jurkić, Tomislav, "**Modeling of Circumstellar Dust by the DUSTY Code**", From Interacting Binaries to Exoplanets: Essential Modeling Tools, IAU Symposium, Tatranska Lomnica, Slovakia, 2012

CONFERENCES AND MEETINGS:

1. "XIXth Serbian Astronomical Conference", Belgrade (online), Serbia, 13-17 October 2020.
2. "The 1st Plitvice Regional LSST Workshop", Plitvice Lakes, Croatia, 11-13 September 2020.
3. "Astrochemical Frontiers - Quarantine edition ", online, 15-19 June 2020.
4. "Frontiers of Stellar Physics: the Theory-Observation Interface", COST CA18104 "Revealing the Milky Way with Gaia", Zagreb, Croatia, January 2020.
5. "The Gaia Treasure Hunt", COST CA18104 "Revealing the Milky Way with Gaia", Cambridge, United Kingdom, September 2019.
6. "LSST@Europe 3: Building science collaborations", Lyon, France, June 2018.
7. "Life on Earth and beyond: Emergence, survivability, and impact on the environment", COST TD1308 "Origin of life on Earth and in the Universe", Bertinoro, Italy, March 2018.
8. "The Physics of Evolved Stars II: the role of binarity", Nice, France, July 2017.
9. "Early Earth and ExoEarths: origin and evolution of life", COST TD1308 "Origin of life on Earth and in the Universe", Warsaw, Poland, April 2017.
10. "LSST@Europe 2", Belgrade, Serbia, June 2016.
11. "From star and planet formation to early life", COST TD1308 "Origin of life on Earth and in the Universe", Vilnius, Lithuania, April 2016.

12. "Physics of evolved star: a conference dedicated to the memory of Olivier Chesneau", Nice, France, June 2015.
13. "Habitability in the Universe: From the Early Earth to Exoplanets", COST TD1308 "Origin of life on Earth and in the Universe", Porto, Portugal, March 2015.
14. "9th Scientific Meeting of the Croatian Physical Society", Umag, Croatia, October 2015.
15. "European Week of Astronomy and Space Science", Geneva, Switzerland, July 2014.
16. "8th Scientific Meeting of the Croatian Physical Society", Primošten, Croatia, October 2013.
17. "LSST@Europe: Path to Science", Cambridge, United Kingdom, September 2013.
18. "Workshop on symbiotic stars, binary post-AGB and related objects", Wierzba, Poland, August 2013.
19. "LSST All-hands meeting", Tucson, USA, August 2012.
20. "7th Scientific Meeting of the Croatian Physical Society", Primošten, Croatia, October 2011.
21. "Asiago Meeting on Symbiotic Stars", Asiago, Italy, July 2011.
22. "From Interacting Binaries to Exoplanets: Essential Modelling Tools", Tatranska Lomnica, Slovakia, July 2011.
23. "2nd NUVA Symposium - Ultraviolet Universe 2010", St. Petersburg, Russia, June 2010.
24. "Binaries - Key to Comprehension of the Universe", Brno, Czech Republic, June 2009.
25. "6th Scientific Meeting of the Croatian Physical Society", Primošten, Croatia, October 2009.
26. "5th Scientific Meeting of the Croatian Physical Society", Primošten, Croatia, October 2007.
27. "Evolution and Chemistry of Symbiotic Stars, Binary post-AGB and Related Objects", Wierzba, Poland, September 2006.
28. "MAGPOP workshop", Max Planck Institute for Astrophysics, Garching, Germany, 2005.
29. "4th Scientific Meeting of the Croatian Physical Society", Zagreb, Croatia, 2003.
30. "11th International Meteor Conference", Bollmansruh, Germany, September 2003.
31. "10th International Meteor Conference", Frombork, Poland, September 2002.
32. "Meeting on Comets and Asteroids in Europe", Višnja, Croatia, 2002.

PRESENTATIONS AT THE MEETINGS

1. Jurkić, Tomislav, 2020, "The 1st Plitvice Regional LSST Workshop", Plitvice Lakes, Croatia, oral presentation
2. Jurkić, Tomislav, 2020, WG2/WG3 workshop "Frontiers of Stellar Physics: the Theory-Observation Interface", COST CA18104 "Revealing the Milky Way with Gaia", Zagreb, Croatia, oral presentation
3. Jurkić, Tomislav; Pavletić, Lovro; Kotnik-Karuza, Dubravka, 2018, "LSST@Europe 3: Building science collaborations", Lyon, France, poster presentation
4. Jurkić, Tomislav; Kotnik-Karuza, Dubravka; Pavletić, Lovro, 2017, "The Physics of Evolved Stars II: the role of binarity", Nice, France, oral presentation
5. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2016, "LSST@Europe 2", Belgrade, Serbia, poster presentation
6. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2015, Physics of evolved star: a conference dedicated to the memory of Olivier Chesneau", Nice, France, oral presentation
7. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2015, 9th Scientific Meeting of the Croatian Physical Society, Umag, Croatia, oral presentation
8. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2014, European Week of Astronomy and Space Science, Geneva, Switzerland, poster presentation
9. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2013, 8th Scientific Meeting of the Croatian Physical Society, Primošten, Croatia, oral presentation
10. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2013, Workshop on symbiotic stars, binary post-AGB and related objects, Wierzba, Poland, oral presentation
11. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2011, IAU Symposium 282 "From Interacting Binaries to Exoplanets : Essential Modeling Tools", Tatranska Lomnica, Slovakia, oral presentation
12. Jurkić, Tomislav; Sarta Deković, Mariza; Kotnik-Karuza, Dubravka, 2011, IAU Symposium 282 "From Interacting Binaries to Exoplanets: Essential Modeling Tools", Tatranska Lomnica, Slovakia, poster presentation
13. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2011, 7th Scientific Meeting of the Croatian Physical Society, Primošten, Croatia, oral presentation
14. Jurkić, Tomislav; Sarta Deković, Mariza; Kotnik-Karuza, Dubravka, 2011, 7th Scientific Meeting of the Croatian Physical Society, Primošten, Croatia, poster presentation
15. Jurkić, Tomislav; Sarta Deković, Mariza; Dominis Prester, Dijana; Kotnik-Karuza, Dubravka, 2010, 2nd NUVA Symposium "Ultraviolet Universe 2010", St. Petersburg, Russia, oral and poster presentations
16. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2009, "Binaries - Key to Comprehension of the Universe: ASP Conference Series", Brno, Czech Republic, oral presentation
17. Sarta Deković, Mariza; Kotnik-Karuza, Dubravka; Jurkić, Tomislav; Dominis Prester, Dijana, 2009, IAU Symposium 265 "Chemical Abundances in the Universe: Connecting First Stars to Planets", Rio

- de Janeiro, Brasil, poster presentation
18. Sarta Deković, Mariza; Kotnik-Karuza, Dubravka; Jurkić, Tomislav; Dominis Prester, Dijana, 2009, 6th Scientific Meeting of the Croatian Physical Society, Primošten, Croatia, poster presentation
 19. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2007, 5th Scientific Meeting of the Croatian Physical Society, Primošten, Croatia, poster presentation
 20. Kotnik-Karuza, Dubravka; Dominis Prester, Dijana, Sarta Deković, Mariza; Jurkić, Tomislav, 2007, 5th Scientific Meeting of the Croatian Physical Society, Primošten, Croatia, poster presentation
 21. Sarta Deković, Mariza; Dominis Prester, Dijana; Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2007, 5th Scientific Meeting of the Croatian Physical Society, Primošten, Croatia, poster presentation
 22. Kotnik-Karuza, Dubravka; Jurkić, Tomislav; Friedjung, Michael, 2006, Wierzba, Poland, poster presentation
 23. Jurkić, Tomislav; Kotnik-Karuza, Dubravka; Friedjung, Michael, 2006, Wierzba, Poland, oral and poster presentations
 24. Kotnik-Karuza, Dubravka; Jurkić, Tomislav; Friedjung, Michael, 2006, IAU Symposium S240, Prague, Czech Republic, poster presentation

SUPERVISOR IN STUDENT'S THESIS

1. Lovro Pavletić, "Circumstellar dust properties and periodicity in the near-IR light curves of seven symbiotic Miras", Master's thesis, April 2017.
2. Lisa Nikolić, "Extrasolar planets", Bachelor's thesis, July 2020.
3. Doris Barčot, "Chandrasekhar limit", Bachelor's thesis, September 2019.
4. Ema Topolnjak, "Meteors and plasma physics", Bachelor's thesis, September 2019.
5. Ivana Batković, "Supernova SN1987A as a source of cosmic dust", Bachelor's thesis, September 2018.
6. Antonele Matijašić, "From interstellar medium towards main-sequence star", Bachelor's thesis, September 2018.
7. Marko Šegon, "Micrometeoritics", Bachelor's thesis, October 2016.
8. Ana Bacelj, "Study of Gamma-Ray Burst (GRB) spectral luminosity relation via a hierarchical Bayesian model", Master's thesis, co-supervisor, December 2019.
9. Maria Vukić, "Study of interstellar medium using radio waves", Master's thesis, co-supervisor, July 2019.

MEMBERSHIPS

- International Astronomical Union (IAU)
- European Astronomical Society (EAS)
- Center for Inquiry Croatia
- Croatian Physical Society (HFD)
- Croatian Astronomical Society (HAD)
- Society of Mathematicians and Physicists (DMF)

PUBLIC OUTREACH, PUBLIC LECTURES AND MEDIA (only 2012-2020)

1. "Origin of life in the Universe (and on Earth)", 18th National Science Festival, Rijeka, Croatia, 14th October 2020, lecture
2. "LSST – Legacy Survey of Space and Time", XXXth Alpe-Adria meeting of the astronomical societies, Kostrena, Croatia, 26th September 2020, lecture
3. "Life in the Univers (and on Earth)", 51st Summer school of astronomy, Petehovqc, Delnice, Croatia, 18th July 2020, lecture
4. "Armchair astronomy", Saturday morning with physics, Rijeka, Croatia, 30th November 2019, workshop
5. "Magnificent world of black holes", Academic astronomical society Rijeka, Rijeka, Hrvatska, 9th May 2019, lecture
6. "Colours of the Universe", 17th National Science Festival, Rijeka, Croatia, 12th April 2019, lecture
7. "Armchair astronomy – supermassive black holes", Saturday morning with physics, Rijeka, Croatia, 13th April 2019, workshop
8. "Armchair astronomy – extrasolar planets", Saturday morning with physics, Rijeka, Croatia, 15th December 2018, workshop
9. "Origin of life in the Universe", World Space Week, Rijeka, Croatia, 5th October 2018, lecture
10. "Origin of life in the Universe", Baltazar na Gradini, Rijeka, Croatia, 2nd September 2018, lecture
11. "Armchair astronomy", Saturday morning with physics, Rijeka, Croatia, 21st April 2018, workshop

12. "Cosmic prints of time", 15th National Science Festival, Rijeka, Croatia, 27th April 2017, lecture
13. "What is time in physics", 15th National Science Festival, Rijeka, Croatia, 27th April 2017, public debate
14. "Cosmic dust: birth of new worlds", Open days, Department of Physics, University of Rijeka, Croatia, 23rd November 2016, lecture
15. "Super-telescopes of the new millennium", Visnjan School of Astronomy, Višnjan, Croatia, 24th July 2016, lecture
16. "Determination of astronomical distances by Cepheids", Society of Mathematicians and Physicists, Rijeka, Croatia, 9th June 2016, lecture
17. "Super-telescopes of the new millennium", 4th Rijeka School of Physics, Rijeka, Croatia, 22nd March 2016, lecture
18. "Universe at the tip of the fingers", 4th Rijeka School of Physics, Rijeka, Croatia, 22nd – 23rd March 2016, workshop
19. "Infrared astronomy", 13th National Science Festival, Rijeka, Croatia, 21st April 2015, lecture
20. "Armchair astronomy", 13th National Science Festival, Rijeka, Croatia, 23rd April 2015, workshop
21. "Cosmic dust", Society of Mathematicians and Physicists, Rijeka, Croatia, 23rd October 2014, lecture
22. Third element - life in the universe and extrasolar planets, Croatian national television, 9th October 2014, interview
23. "Cosmic dust", Visnjan school of astronomy, Visnjan, Croatia, 26th July 2014, lecture
24. 3rd Rijeka School of Physics, interviews for Croatian national television, national TV station Nova TV, local TV station RiTV, Croatian national radio, local radio station Radio Rijeka, April 2014.
25. Andromeda, Croatian national radio, 11th February 2014, guest
26. 3rd Rijeka School of Physics, interviews for Croatian national radio and local radio station, January 2014.
27. "Dust in symbiotic binaries", Society of Mathematicians and Physicists, Rijeka, Croatia, 7th November 2013, lecture
28. "Universe alive: LSST – telescope of a new digital era", Academic astronomical society Rijeka, Rijeka, Croatia, 29th August 2013, lecture
29. "Infrared astronomy", Visnjan School of Astronomy, Višnjan, Croatia, 16th August 2013, lecture
30. "LSST: telescope of a new digital era", Youth Science Camp, Višnjan, Croatia, July 2014, lecture
31. " Universe alive: LSST – telescope of a new digital era ", 11th National Science Festival, Rijeka, Croatia, 24th April 2013, lecture
32. "Infrared astronomy", 2nd Rijeka School of Physics, Rijeka, Croatia, 26th March 2013, lecture
33. "Armchair astronomy", 2nd Rijeka School of Physics, Rijeka, Croatia, 25th – 26th March 2013, workshop
34. "Meteors, meteorites and the Russian event", Croatian national radio, March 2013
35. "Meteors and meteorites", Croatian national radio, February 2013
36. "Meteors and meteorites", interview for the local TV station RiTV, February 2013
37. "Laboratory of Microelectronics", Winter School of Physics (1st Rijeka School of Physics), Rijeka, Croatia, 12th – 13th January 2012, workshop